Flat: Basin Cove Area (ac): 3.5 Percent Legal: #DIV/0! Town: Harpswell Density (bu/a): 0.00 Proj. Harvest (bu): 0

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Catch (bu): 1
Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 0

-or-

Recreational Licenses: 0

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

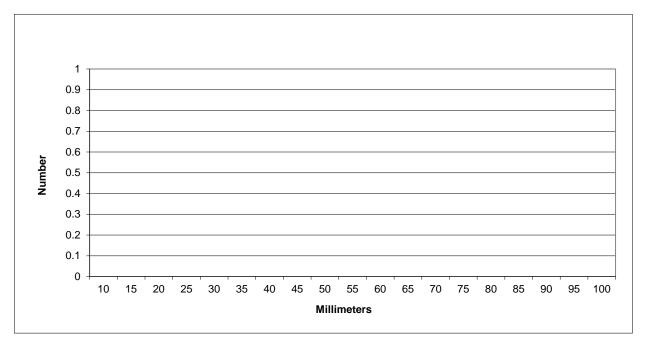
Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: Basin Cove (Lower) PLOT INTERVAL: 100'

CREW: Steve Welsh/Ray McIntire PLOTS: 14

DATE: 9/18/18 ACRES: 4.5

Length (mm)	# of Clams	% Number	
10-14	0	#DIV/0!	Total # of Clams 0
15-19	0	#DIV/0!	Total # of Clams > 50.8mm 0
20-24	0	#DIV/0!	% of clams > 50.8mm #DIV/0!
25-29	0	#DIV/0!	
30-34	0	#DIV/0!	Total Average Bu./Acre 0.00
35-39	0	#DIV/0!	Total Avg. Bu./Acre > 50.8mm 0.00
40-44	0	#DIV/0!	
45-49	0	#DIV/0!	Total standing crop (bu) 0
50-54	0	#DIV/0!	Total standing crop > 50.8mm 0
55-59	0	#DIV/0!	% of crop > 50.8mm #DIV/0!
60-64	0	#DIV/0!	
65-69	0	#DIV/0!	Conversion Inches to Millimeters
70-74	0	#DIV/0!	.5" = 12.7 mm
75-79	0	#DIV/0!	1" = 25.4mm
80-84	0	#DIV/0!	2" = 50.8 mm
85-89	0	#DIV/0!	2.5' = 63.5 mm
90-94	0	#DIV/0!	3" = 76.2 mm
95-99	0	#DIV/0!	3.5" = 88.9 mm
100	0	#DIV/0!	



Flat: Big Indian Area (ac): 10.0 Percent Legal: 84.26% Town: Harpswell Density (bu/a): 66.28 Proj. Harvest (bu): 600

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200

Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 1

-or-

Recreational Licenses: 66

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

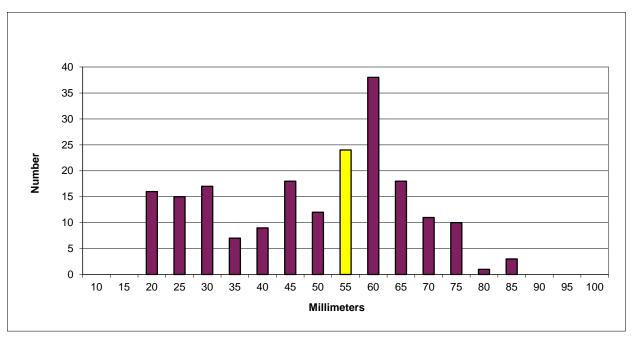
Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: Big Indian PLOT INTERVAL: 100'

CREW: Steve Welsh / Paul Plummer PLOTS: 56

DATE: 10/4/18 ACRES: 10

Length (mm)	# of Clams	% Number	
10-14	0	0.0%	Total # of Clams 199
15-19	0	0.0%	Total # of Clams > 50.8mm 105
20-24	16	8.0%	% of clams > 50.8mm 52.76%
25-29	15	7.5%	
30-34	17	8.5%	Total Average Bu./Acre 66.28
35-39	7	3.5%	Total Avg. Bu./Acre > 50.8mm 55.85
40-44	9	4.5%	
45-49	18	9.0%	Total standing crop (bu) 663
50-54	12	6.0%	Total standing crop > 50.8mm 559
55-59	24	12.1%	% of crop > 50.8mm 84.26%
60-64	38	19.1%	
65-69	18	9.0%	Conversion Inches to Millimeters
70-74	11	5.5%	.5" = 12.7 mm
75-79	10	5.0%	1" = 25.4mm
80-84	1	0.5%	2" = 50.8 mm
85-89	3	1.5%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = 88.9 mm
100	0	0.0%	



Flat: Birch Island Area (ac): 20.0 Percent Legal: 47.65% Town: Harpswell Density (bu/a): 121.45 Proj. Harvest (bu): 1,666

Date: 9/6/2018 **Crop (bu):** 2,429

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 4

-or-

Recreational Licenses: 183

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

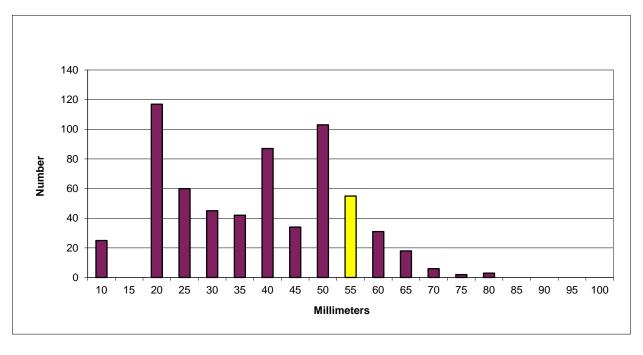
Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: Birch Island PLOT INTERVAL: 100'

CREW: Steve Welsh / Ray McIntire PLOTS: 50

DATE: 9/6/18 ACRES: 20

Length (mm)	# of Clams	% Number	
10-14	25	4.0%	Total # of Clams 628
15-19	0	0.0%	Total # of Clams > 50.8mm 115
20-24	117	18.6%	% of clams > 50.8mm 18.31%
25-29	60	9.6%	
30-34	45	7.2%	Total Average Bu./Acre 121.45
35-39	42	6.7%	Total Avg. Bu./Acre > 50.8mm 57.86
40-44	87	13.9%	
45-49	34	5.4%	Total standing crop (bu) 2429
50-54	103	16.4%	Total standing crop > 50.8mm 1157
55-59	55	8.8%	% of crop > 50.8mm 47.65%
60-64	31	4.9%	
65-69	18	2.9%	Conversion Inches to Millimeters
70-74	6	1.0%	.5" = 12.7 mm
75-79	2	0.3%	1" = 25.4mm
80-84	3	0.5%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = 88.9 mm
100	0	0.0%	



Flat: 3rickyard Cove Area (ac): 5.3 Percent Legal: 46.95% Town: Harpswell Density (bu/a): 110.64 Proj. Harvest (bu): 400

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Catch (bu):

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 1

-or-

Recreational Licenses: 44

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell FLAT: Brickyard Cove

CREW: Steve Welsh / Ray McIntire

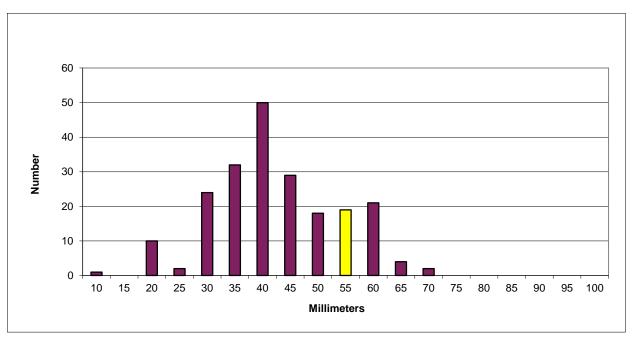
DATE: 9/20/18

PLOT SIZE: 1' x 2' PLOT INTERVAL: 100'

PLOTS: 21

ACRES: 5.3

Length (mm)	# of Clams	% Number	
10-14	1	0.5%	Total # of Clams 212
15-19	0	0.0%	Total # of Clams > 50.8mm 46
20-24	10	4.7%	% of clams > 50.8mm 21.70%
25-29	2	0.9%	
30-34	24	11.3%	Total Average Bu./Acre 110.64
35-39	32	15.1%	Total Avg. Bu./Acre > 50.8mm 51.95
40-44	50	23.6%	
45-49	29	13.7%	Total standing crop (bu) 586
50-54	18	8.5%	Total standing crop > 50.8mm 275
55-59	19	9.0%	% of crop > 50.8mm 46.95%
60-64	21	9.9%	
65-69	4	1.9%	Conversion Inches to Millimeters
70-74	2	0.9%	.5" = 12.7 mm
75-79	0	0.0%	1" = 25.4mm
80-84	0	0.0%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = 88.9 mm
100	0	0.0%	



Flat: Crow Island Area (ac): 3.0 Percent Legal: 22.27% Town: Harpswell Density (bu/a): 80.50 Proj. Harvest (bu): 129

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200

Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 0

-or-

Recreational Licenses: 14

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

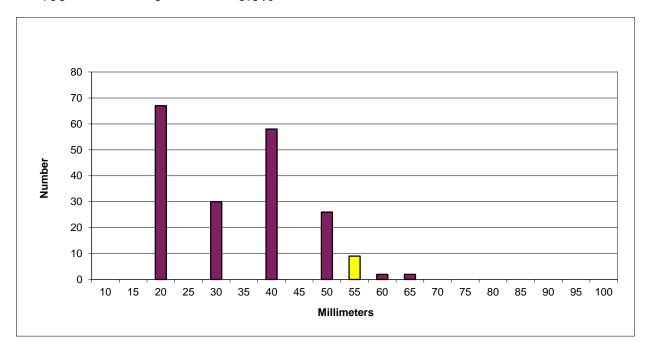
Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: Crow Island PLOT INTERVAL: 100'

CREW: Steve Welsh / Ray McIntire PLOTS: 16

DATE: 8/21/18 ACRES: 3.0

Length (mm)	# of Clams	% Number	
10-14	0	0.0%	Total # of Clams 194
15-19	0	0.0%	Total # of Clams > 50.8mm 13
20-24	67	34.5%	% of clams > 50.8mm 6.70%
25-29	0	0.0%	
30-34	30	15.5%	Total Average Bu./Acre 80.50
35-39	0	0.0%	Total Avg. Bu./Acre > 50.8mm 17.93
40-44	58	29.9%	
45-49	0	0.0%	Total standing crop (bu) 242
50-54	26	13.4%	Total standing crop > 50.8mm 54
55-59	9	4.6%	% of crop > 50.8mm 22.27%
60-64	2	1.0%	
65-69	2	1.0%	Conversion Inches to Millimeters
70-74	0	0.0%	.5" = 12.7 mm
75-79	0	0.0%	1" = 25.4mm
80-84	0	0.0%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = 88.9 mm
100	0	0.0%	



Flat: Diamond Cove Area (ac): 3.5 Percent Legal: 42.68% Town: Harpswell Density (bu/a): 274.42 Proj. Harvest (bu): 630

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 1

-or-

Recreational Licenses: 69

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

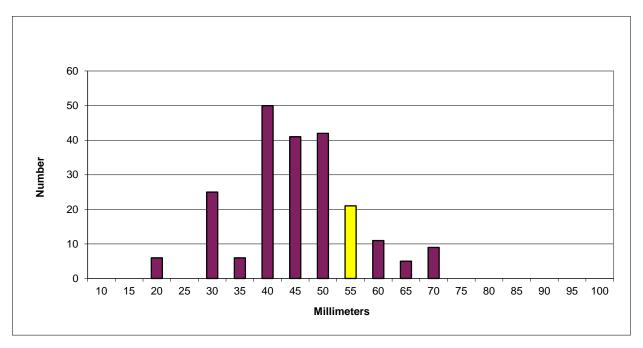
Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: Diamond Cove PLOT INTERVAL: 100'

CREW: Steve Welsh/Ray McIntire PLOTS: 10

DATE: 9/20/18 ACRES: 3.5

Length (mm)	# of Clams	% Number	
10-14	0	0.0%	Total # of Clams 216
15-19	0	0.0%	Total # of Clams > 50.8mm 46
20-24	6	2.8%	% of clams > 50.8mm 21.30%
25-29	0	0.0%	
30-34	25	11.6%	Total Average Bu./Acre 274.42
35-39	6	2.8%	Total Avg. Bu./Acre > 50.8mm 117.12
40-44	50	23.1%	
45-49	41	19.0%	Total standing crop (bu) 960
50-54	42	19.4%	Total standing crop > 50.8mm 410
55-59	21	9.7%	% of crop > 50.8mm 42.68%
60-64	11	5.1%	
65-69	5	2.3%	Conversion Inches to Millimeters
70-74	9	4.2%	.5" = 12.7 mm
75-79	0	0.0%	1" = 25.4mm
80-84	0	0.0%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = $88.9 mm$
100	0	0.0%	



Flat: Doughy Cove Area (ac): 29.0 Percent Legal: 61.57% Town: Harpswell Density (bu/a): 52.95 Proj. Harvest (bu): 1,182

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 8 Catch (bu): 0.25

Commercial Licenses: 3

-or-

Recreational Licenses: 195

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

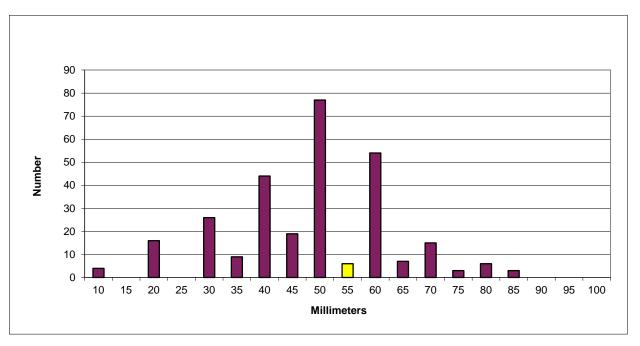
Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: Doughty Cove PLOT INTERVAL: 100'

CREW: Steve Welsh / Ray McIntire Plots: 90

DATE: 9/5/18 Acres: 29

Length (mm)	# of Clams	% Number	
10-14	4	1.4%	Total # of Clams 289
15-19	0	0.0%	Total # of Clams > 50.8mm 94
20-24	16	5.5%	% of clams > 50.8mm 32.53%
25-29	0	0.0%	
30-34	26	9.0%	Total Average Bu./Acre 52.95
35-39	9	3.1%	Total Avg. Bu./Acre > 50.8mm 32.60
40-44	44	15.2%	
45-49	19	6.6%	Total standing crop (bu) 1536
50-54	77	26.6%	Total standing crop > 50.8mm 945
55-59	6	2.1%	% of crop > 50.8mm 61.57%
60-64	54	18.7%	
65-69	7	2.4%	Conversion Inches to Millimeters
70-74	15	5.2%	.5" = 12.7 mm
75-79	3	1.0%	1" = 25.4mm
80-84	6	2.1%	2" = 50.8 mm
85-89	3	1.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = $88.9 mm$
100	0	0.0%	



Flat: Gurnet Landing Area (ac): 3.0 Percent Legal: 65.51% Town: Harpswell Density (bu/a): 56.48 Proj. Harvest (bu): 134

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 0

-or-

Recreational Licenses: 15

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

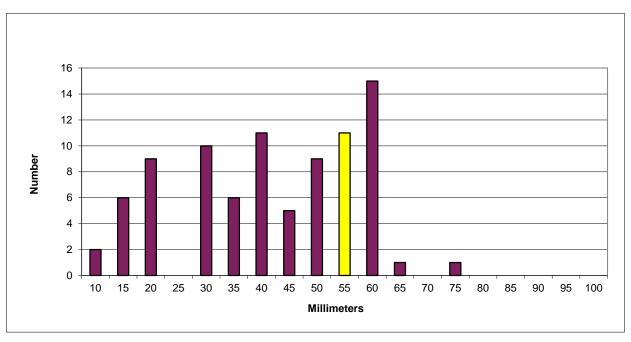
Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: Gurnet Landing PLOT INTERVAL: 50'

CREW: Steve Welsh / Ray McIntire PLOTS: 18

DATE: 9/27/18 ACRES: 3

Length (mm)	# of Clams	% Number	
10-14	2	2.3%	Total # of Clams 86
15-19	6	7.0%	Total # of Clams > 50.8mm 28
20-24	9	10.5%	% of clams > 50.8mm 32.56%
25-29	0	0.0%	
30-34	10	11.6%	Total Average Bu./Acre 56.48
35-39	6	7.0%	Total Avg. Bu./Acre > 50.8mm 37.00
40-44	11	12.8%	
45-49	5	5.8%	Total standing crop (bu) 169
50-54	9	10.5%	Total standing crop > 50.8mm 111
55-59	11	12.8%	% of crop > 50.8mm 65.51%
60-64	15	17.4%	
65-69	1	1.2%	Conversion Inches to Millimeters
70-74	0	0.0%	.5" = 12.7 mm
75-79	1	1.2%	1" = 25.4mm
80-84	0	0.0%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = $88.9 mm$
100	0	0.0%	



Flat: Little Diamond Area (ac): 2.0 Percent Legal: 61.82% Town: Harpswell Density (bu/a): 54.04 Proj. Harvest (bu): 83

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Recreational

Efficiency: 0.35 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 0

-or-

Recreational Licenses: 10

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

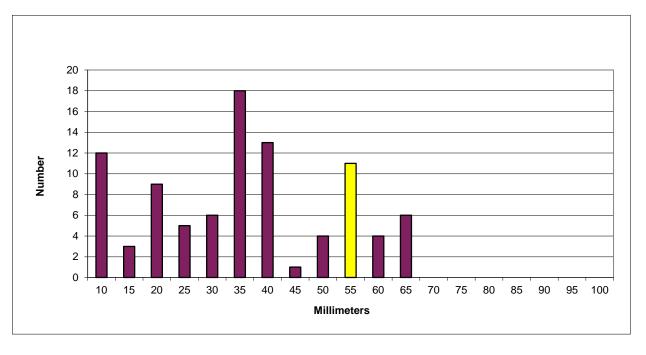
Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: Little Diamond PLOT INTERVAL: 100'

CREW: Steve Welsh / Ray McIntire PLOTS: 15

DATE: 9/27/18 ACRES: 2

Length (mm)	# of Clams	% Number	
10-14	12	13.0%	Total # of Clams 92
15-19	3	3.3%	Total # of Clams > 50.8mm 21
20-24	9	9.8%	% of clams > 50.8mm 22.83%
25-29	5	5.4%	
30-34	6	6.5%	Total Average Bu./Acre 54.04
35-39	18	19.6%	Total Avg. Bu./Acre > 50.8mm 33.41
40-44	13	14.1%	
45-49	1	1.1%	Total standing crop (bu) 108
50-54	4	4.3%	Total standing crop > 50.8mm 67
55-59	11	12.0%	% of crop > 50.8mm 61.82%
60-64	4	4.3%	
65-69	6	6.5%	Conversion Inches to Millimeters
70-74	0	0.0%	.5" = 12.7 mm
75-79	0	0.0%	1" = 25.4mm
80-84	0	0.0%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = $88.9 mm$
100	0	0.0%	



Flat: Mill Cove Area (ac): 33.0 Percent Legal: 35.18% Town: Harpswell Density (bu/a): 37.05 Proj. Harvest (bu): 747

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200

Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 2

-or-

Recreational Licenses: 82

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell

FLAT: Mill Cove / High Head CREW: Steve Welsh / Ray McIntire

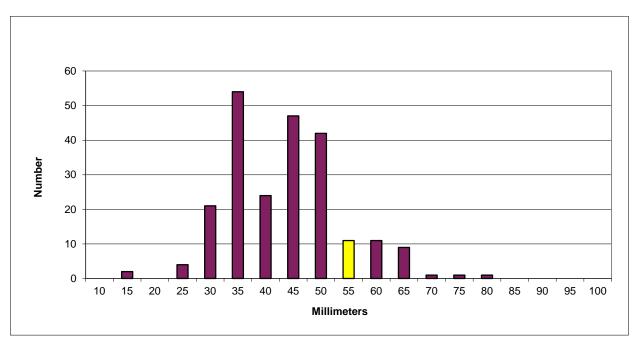
DATE: 10/31/18

PLOT SIZE: 1' x 2'	
PLOT INTERVAL:	100'

PLOTS: 70

ACRES: 30

Length (mm)	# of Clams	% Number	
10-14	0	0.0%	Total # of Clams 228
15-19	2	0.9%	Total # of Clams > 50.8mm 34
20-24	0	0.0%	% of clams > 50.8mm 14.91%
25-29	4	1.8%	
30-34	21	9.2%	Total Average Bu./Acre 37.05
35-39	54	23.7%	Total Avg. Bu./Acre > 50.8mm 13.03
40-44	24	10.5%	
45-49	47	20.6%	Total standing crop (bu) 1223
50-54	42	18.4%	Total standing crop > 50.8mm 430
55-59	11	4.8%	% of crop > 50.8mm 35.18%
60-64	11	4.8%	
65-69	9	3.9%	Conversion Inches to Millimeters
70-74	1	0.4%	.5" = 12.7 mm
75-79	1	0.4%	1" = 25.4mm
80-84	1	0.4%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3'' = 76.2 mm
95-99	0	0.0%	3.5" = 88.9 mm
100	0	0.0%	



Flat: Morgan Cove Area (ac): 3.0 Percent Legal: 52.11% Town: Harpswell Density (bu/a): 45.06 Proj. Harvest (bu): 96

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200

Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 0

-or-

Recreational Licenses: 11

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell FLAT: Morgan Cove

CREW: Steve Welsh / Ray McIntire

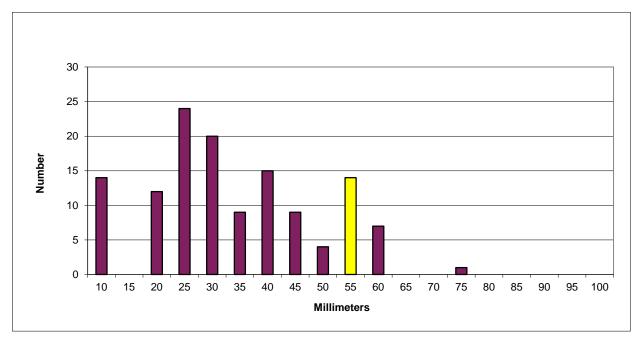
DATE: 9/12/18 ACRES: 3

Length (mm)	# of Clams	% Number	
10-14	14	10.9%	Total # of Clams 129
15-19	0	0.0%	Total # of Clams > 50.8mm 22
20-24	12	9.3%	% of clams > 50.8mm 17.05%
25-29	24	18.6%	
30-34	20	15.5%	Total Average Bu./Acre 45.06
35-39	9	7.0%	Total Avg. Bu./Acre > 50.8mm 23.48
40-44	15	11.6%	
45-49	9	7.0%	Total standing crop (bu) 135
50-54	4	3.1%	Total standing crop > 50.8mm 70
55-59	14	10.9%	% of crop > 50.8mm 52.11%
60-64	7	5.4%	
65-69	0	0.0%	Conversion Inches to Millimeters
70-74	0	0.0%	.5" = 12.7 mm
75-79	1	0.8%	1" = 25.4mm
80-84	0	0.0%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = 88.9 mm
100	0	0.0%	

PLOT SIZE: 1' x 2'

PLOTS: 21

PLOT INTERVAL: 100'



Flat: Nubble Area (ac): 12.0 Percent Legal: 66.41% Town: Harpswell Density (bu/a): 36.40 Proj. Harvest (bu): 349

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 1

-or-

Recreational Licenses: 38

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

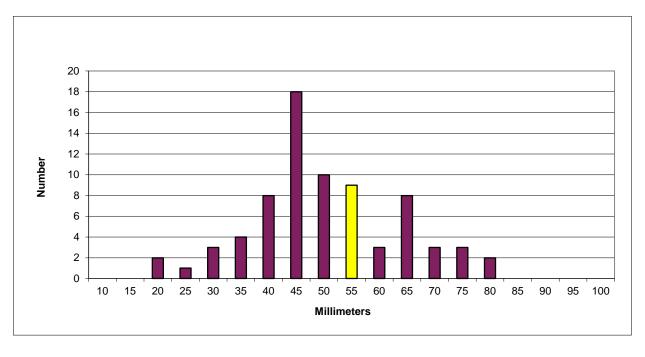
Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: The Nubble PLOT INTERVAL: 100'

CREW: Steve Welsh / Paul Plummer PLOTS: 36

DATE: 10/16/18 ACRES: 12

Length (mm)	# of Clams	% Number	
10-14	0	0.0%	Total # of Clams 74
15-19	0	0.0%	Total # of Clams > 50.8mm 28
20-24	2	2.7%	% of clams > 50.8mm 37.84%
25-29	1	1.4%	
30-34	3	4.1%	Total Average Bu./Acre 36.40
35-39	4	5.4%	Total Avg. Bu./Acre > 50.8mm 24.17
40-44	8	10.8%	
45-49	18	24.3%	Total standing crop (bu) 437
50-54	10	13.5%	Total standing crop > 50.8mm 290
55-59	9	12.2%	% of crop > 50.8mm 66.41%
60-64	3	4.1%	
65-69	8	10.8%	Conversion Inches to Millimeters
70-74	3	4.1%	.5" = 12.7 mm
75-79	3	4.1%	1" = 25.4mm
80-84	2	2.7%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = 88.9 mm
100	0	0.0%	



Flat: Pennellville Area (ac): 5.0 Percent Legal: 21.44% Town: Harpswell Density (bu/a): 34.43 Proj. Harvest (bu): 91

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Recreational

Efficiency: 0.35 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 0

-or-

Recreational Licenses: 11

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

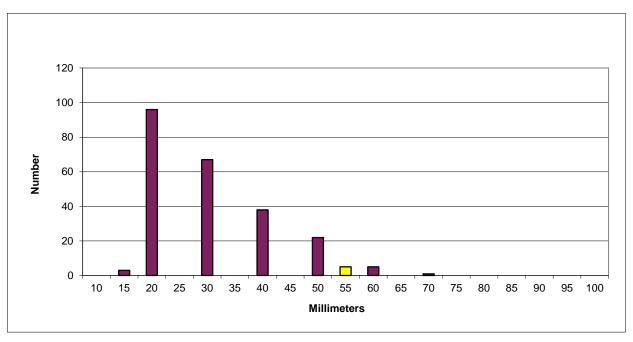
Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2'
FLAT: Pennellville PLOT INTERVAL: 100'

CREW: Steve Welsh / Ray McIntire PLOTS: 35

DATE: 8/16/18 ACRES: 5

Length (mm)	# of Clams	% Number	
10-14	0	0.0%	Total # of Clams 237
15-19	3	1.3%	Total # of Clams > 50.8mm 11
20-24	96	40.5%	% of clams > 50.8mm 4.64%
25-29	0	0.0%	
30-34	67	28.3%	Total Average Bu./Acre 34.43
35-39	0	0.0%	Total Avg. Bu./Acre > 50.8mm 7.38
40-44	38	16.0%	
45-49	0	0.0%	Total standing crop (bu) 172
50-54	22	9.3%	Total standing crop > 50.8mm 37
55-59	5	2.1%	% of crop > 50.8mm 21.44%
60-64	5	2.1%	
65-69	0	0.0%	Conversion Inches to Millimeters
70-74	1	0.4%	.5" = 12.7 mm
75-79	0	0.0%	1" = 25.4mm
80-84	0	0.0%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = $88.9 mm$
100	0	0.0%	



Flat: Scrag island Area (ac): 16.0 Percent Legal: 32.07% Town: Harpswell Density (bu/a): 58.19 Proj. Harvest (bu): 552

Date: 15-Aug **Crop (bu):** 931

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 1

-or-

Recreational Licenses: 61

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

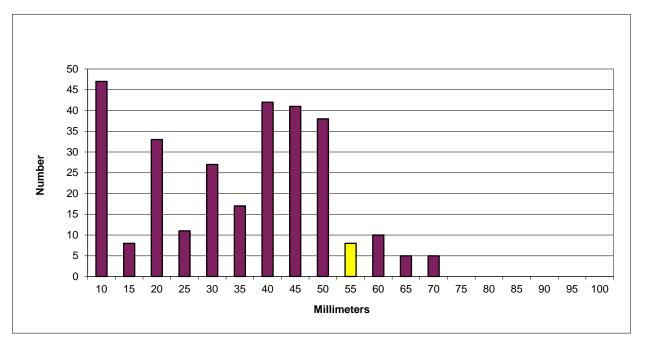
Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2'
FLAT: Scrag Island PLOT INTERVAL: 100'
CREW: Steve Welsh / Ray McIntire 40

DATE: 8/15/18 ACRES: 16

Length (mm)	# of Clams	% Number	
10-14	47	16.1%	Total # of Clams 292
15-19	8	2.7%	Total # of Clams > 50.8mm 28
20-24	33	11.3%	% of clams > 50.8mm 9.59%
25-29	11	3.8%	
30-34	27	9.2%	Total Average Bu./Acre 58.19
35-39	17	5.8%	Total Avg. Bu./Acre > 50.8mm 18.66
40-44	42	14.4%	
45-49	41	14.0%	Total standing crop (bu) 931
50-54	38	13.0%	Total standing crop > 50.8mm 299
55-59	8	2.7%	% of crop > 50.8mm 32.07%
60-64	10	3.4%	
65-69	5	1.7%	Conversion Inches to Millimeters
70-74	5	1.7%	.5" = 12.7 mm
75-79	0	0.0%	1" = 25.4mm
80-84	0	0.0%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = 88.9 mm
100	0	0.0%	



Flat: Spruce Cove Area (ac): 10.0 Percent Legal: 32.31% Town: Harpswell Density (bu/a): 72.01 Proj. Harvest (bu): 428

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses:

-or-

Recreational Licenses: 47

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

*Developed by Chris Heinig of MER Associates

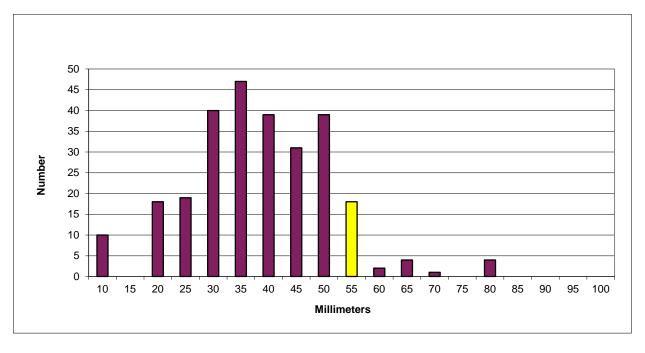
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TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: Spruce Cove PLOT INTERVAL: 100'

CREW: Steve Welsh / Ray McIntire PLOTS: 34

DATE: 9/12/18 ACRES: 10

Length (mm)	# of Clams	% Number	
10-14	10	3.7%	Total # of Clams 272
15-19	0	0.0%	Total # of Clams > 50.8mm 29
20-24	18	6.6%	% of clams > 50.8mm 10.66%
25-29	19	7.0%	
30-34	40	14.7%	Total Average Bu./Acre 72.01
35-39	47	17.3%	Total Avg. Bu./Acre > 50.8mm 23.27
40-44	39	14.3%	
45-49	31	11.4%	Total standing crop (bu) 720
50-54	39	14.3%	Total standing crop > 50.8mm 233
55-59	18	6.6%	% of crop > 50.8mm 32.31%
60-64	2	0.7%	
65-69	4	1.5%	Conversion Inches to Millimeters
70-74	1	0.4%	.5" = 12.7 mm
75-79	0	0.0%	1" = 25.4mm
80-84	4	1.5%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = $88.9 mm$
100	0	0.0%	



Flat: Walini Cove Area (ac): 4.0 Percent Legal: 58.91% Town: Harpswell Density (bu/a): 213.83 Proj. Harvest (bu): 644

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 12 Catch (bu): 0.25

Commercial Licenses: 2

-or-

Recreational Licenses: 71

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

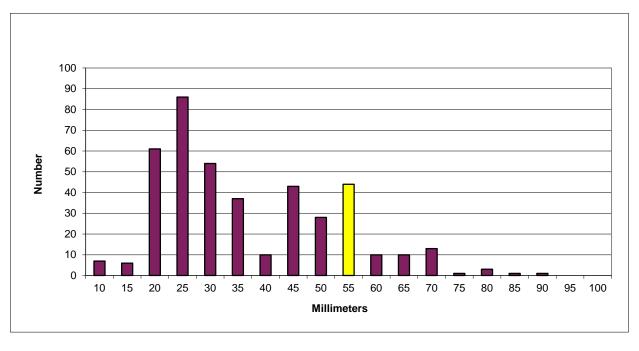
Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: Walini Cove PLOT INTERVAL: 100'

CREW: Steve Welsh / Ray McIntire PLOTS: 18

DATE: 8/21/18 ACRES: 4

Length (mm)	# of Clams	% Number	
10-14	7	1.7%	Total # of Clams 415
15-19	6	1.4%	Total # of Clams > 50.8mm 83
20-24	61	14.7%	% of clams > 50.8mm 20.00%
25-29	86	20.7%	
30-34	54	13.0%	Total Average Bu./Acre 213.83
35-39	37	8.9%	Total Avg. Bu./Acre > 50.8mm 125.97
40-44	10	2.4%	
45-49	43	10.4%	Total standing crop (bu) 855
50-54	28	6.7%	Total standing crop > 50.8mm 504
55-59	44	10.6%	% of crop > 50.8mm 58.91%
60-64	10	2.4%	
65-69	10	2.4%	Conversion Inches to Millimeters
70-74	13	3.1%	.5" = 12.7 mm
75-79	1	0.2%	1" = 25.4mm
80-84	3	0.7%	2" = 50.8 mm
85-89	1	0.2%	2.5' = 63.5 mm
90-94	1	0.2%	3" = 76.2 mm
95-99	0	0.0%	3.5" = $88.9 mm$
100	0	0.0%	



Flat: Widgeon Cove Area (ac): 26.0 Percent Legal: 44.81% Town: Harpswell Density (bu/a): 84.83 Proj. Harvest (bu): 1,475

Harvest Parameters

Commercial

Efficiency: 0.70 Effort (d.): 200 Catch (bu): 1.5

Recreational

Efficiency: 0.33 Effort (d.): 8 Catch (bu): 0.25

Commercial Licenses: 3

-or-

Recreational Licenses: 243

LICENSE NUMBERS FORMULA*

No. of License = (Projected Harvest x Digger Efficiency) / (Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

TOWN: Harpswell PLOT SIZE: 1' x 2' FLAT: Widgeon Cove PLOT INTERVAL: 100'

CREW: Steve Welsh / Ray McIntire PLOTS: 70

DATE: 10/30/18 ACRES: 26

Length (mm)	# of Clams	% Number	
10-14	37	7.2%	Total # of Clams 511
15-19	0	0.0%	Total # of Clams > 50.8mm 97
20-24	47	9.2%	% of clams > 50.8mm 18.98%
25-29	0	0.0%	
30-34	72	14.1%	Total Average Bu./Acre 84.83
35-39	0	0.0%	Total Avg. Bu./Acre > 50.8mm 38.01
40-44	117	22.9%	
45-49	0	0.0%	Total standing crop (bu) 2206
50-54	141	27.6%	Total standing crop > 50.8mm 988
55-59	0	0.0%	% of crop > 50.8mm 44.81%
60-64	77	15.1%	
65-69	0	0.0%	Conversion Inches to Millimeters
70-74	20	3.9%	.5" = 12.7 mm
75-79	0	0.0%	1" = 25.4mm
80-84	0	0.0%	2" = 50.8 mm
85-89	0	0.0%	2.5' = 63.5 mm
90-94	0	0.0%	3" = 76.2 mm
95-99	0	0.0%	3.5" = 88.9 mm
100	0	0.0%	

